

PlusTek PB894NT

PA6

Polyram

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	16	g/10min	ISO 1133
Temperature	235	°C	-
Load	5	kg	-
Molding shrinkage, parallel	1.1	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1860	MPa	ISO 527
Tensile Strength	46	MPa	ISO 527
Yield strain	4.2	%	ISO 527
Charpy notched impact strength, +23°C	80	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	67	kJ/m ²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	780	J/m	ASTM D 256

Other properties	Value	Unit	Test Standard
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	3	%	Sim. to ISO 62
Density	1060	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4 - 8	h	-
Processing humidity	≤0.15	%	-
Mold temperature	55 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	230 - 240	°C	-
Zone 2	230 - 240	°C	-
Zone 3	230 - 270	°C	-

Characteristics**Processing**

Injection Molding, Blow Molding

Delivery form

Natural Color

Special Characteristics

High impact or impact modified

Certifications

RoHS compliant

Applications

Packaging

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa